LIST OF CONTENTS

NUMBER 1/2

Konstantin O. Sobornov	1	Blind duplex structure of the north Urals thrust belt front
Chih-Hsiang Ho	13	Predictions of volcanic eruptions at Mt Vesuvius, Italy
H. Martyn Pedley and Mario Grasso	19	Miocene syntectonic sedimentation along the western margins of the Hyblean–Malta Platform: a guide to plate margin processes in the central Mediterranean
L. Ferrari and A. Tibaldi	39	Recent and active tectonics of the north-eastern Ecuadorian Andes
A. Tibaldi and L. Ferrari	59	From latest miocene thrusting to quaternary transpression and transtension in the Interandean Valley, Ecuador
Jie Tang, Ian Lerche and Jeff Cogan	85	An inverse method for calculating basement geometries in foreland basins
Z. Yu and Ian Lerche	107	An integrated quantitative basin analysis study of the northern part of the arctic National Wildlife Refuge, Northeastern Alaska

NUMBER 3/4

COMMONWEALTH OF INDEPENDENT STATES
SPECIAL ISSUE

B. I. Silkin	V	Preface
T. S. Lebedev, V. A. Korchin and P. A. Burtny	147	Geophysical applications of the results of a PT-study of elastic properties of rocks
G. V. Bocharov, N. P. Esikov, N. N. Zamaraev, E. E. Fotiadi, E. P. Chuprina and D. Ya.Yurenas	163	Horizontal movements and tectonophysical geodetic zonation of the South-Yakutian Geodynamic Polygon
S. A. Milyutin, Yu. S. Genshaft, A. Ya. Saltykovski, L. G. Kuznetsova, U. Lukert, M. Reiche and G. Budzinski	169	Physical characteristics of megacrystal high pressure phases
A. G. Rodnikov, R. D. Rodnikova and Yu. G. Zorina	185	The role of rifting in the evolution of the continental margin of Eastern Asia: geophysical evidence

R. M. Karmaleeva and L. A. Latynina	201	Tectonic crustal movements based on strain data
E. A. Fin'ko	209	The relationship of recent vertical movements to the morphostructural pattern of the Kazakh shield
P. A. Stroev and O. N. Romashova	215	Anomalies of the isostatic Kuril–Okhotsk region
A. N. Groushinsky, N. P. Groushinsky, P. A. Stroev and E. V. Yatsenko	223	The Earth's crust in Antarctica and the effective relief of the continent
N. S. Blagovolin and D. A. Lilienberg	229	Recent crustal movements in the Black Sea region and their interpretation based on the plate tectonic theory
M. V. Rodkin	235	Structure of the back-arc spreading basins and the fluid regime in the mantle
M. V. Rodkin	247	Hydroseismicity—new evidence